

TABLE 18.--FERTILITY TEST DATA ON SELECTED SOILS--Continued

Soil name and sample number	Depth	Horizon	pH 1:1 H ₂ O	Organic matter content	Extractable phosphorus	Exchangeable cations						Total acidity	Cation-exchange capacity (sum)	Base saturation (sum)	Saturation					
															Sum of cation-exchange capacity (aluminum)	Effective cation-exchange capacity (sodium)				
						Ca	Mg	K	Na	Al	H				Pct	Pct	Pct			
	In			Pct	Ppm	Meg/100g									Pct	Pct	Pct			
Ouachita silt loam: 1/ (S82LA-103-27)	0-9	A	5.2	4.43	8	0.2	0.1	0.1	0.2	2.8	0.4	20.5	21.1	2.8	73.7	0.9				
	9-15	Bw1	5.3	0.77	3	0.2	0.1	<0.1	0.1	2.1	0.2	11.0	11.4	3.5	77.8	0.9				
	15-27	Bw2	5.3	0.10	5	0.2	0.4	<0.1	0.2	3.3	0.1	5.5	6.3	12.7	78.6	3.2				
	27-46	Bw3	5.2	0.06	5	0.2	0.3	<0.1	0.2	3.7	0.1	7.0	7.7	9.1	82.2	2.6				
	46-60	Bw4	5.2	<0.01	5	0.2	0.2	<0.1	0.2	3.6	0.0	6.5	7.1	8.5	85.7	2.8				
Prentiss fine sandy loam: 1/ (S82LA-103-15)	0-5	A	4.9	2.58	5	0.2	0.1	<0.1	0.1	2.4	0.2	9.7	10.1	4.0	80.0	1.0				
	5-17	Bw1	4.9	0.15	5	0.2	<0.1	<0.1	0.2	2.2	0.4	3.9	4.3	9.3	73.3	4.7				
	17-25	Bw2	5.0	0.02	5	0.2	<0.1	<0.1	0.2	3.3	0.1	5.3	5.7	7.0	86.8	3.5				
	25-48	Btx1	5.1	0.07	5	0.2	<0.1	<0.1	0.2	2.3	0.3	2.9	3.3	12.1	76.7	6.1				
	48-62	Btx2	5.3	<0.01	5	0.2	<0.1	<0.1	0.2	1.2	0.3	1.9	2.3	17.4	63.2	8.7				
Rosebloom silt loam: 1/ (S83LA-103-9)	0-5	A	---	2.67	17	4.5	1.2	0.3	0.3	2.3	0.9	10.5	16.8	37.5	24.2	1.8				
	5-27	Bg1	---	0.63	5	3.8	0.9	0.1	0.2	4.1	0.4	9.2	14.2	35.2	43.2	1.4				
	27-39	Bg2	---	0.28	5	3.7	1.0	0.1	0.2	4.7	0.3	9.2	14.2	35.2	47.0	1.4				
	39-65	Bg3	---	0.15	5	4.3	1.4	0.1	0.2	5.0	0.4	9.0	15.0	40.0	43.9	1.3				
	65-80	Bg4	---	0.05	5	4.3	1.4	0.1	0.2	5.0	0.4	9.0	15.0	40.0	43.9	1.3				
Ruston fine sandy loam: 1/ (S81LA-103-11)	0-5	Ap	---	1.38	108	0.3	<0.1	0.3	0.2	1.2	0.6	3.9	4.7	17.0	46.2	4.3				
	5-23	Bt1	5.4	0.10	5	1.5	0.6	0.1	0.2	1.8	0.6	4.8	7.2	33.3	37.5	2.8				
	23-33	Bt2	5.4	0.02	5	1.4	0.6	0.1	0.2	1.4	0.3	3.4	5.7	40.0	35.0	3.5				
	33-44	B/E	5.4	0.02	5	0.8	0.5	<0.1	0.1	1.4	0.3	2.4	3.8	36.8	45.2	2.6				
	44-64	Bt	5.3	0.02	5	0.6	0.7	<0.1	0.3	2.2	0.0	3.4	5.0	32.0	57.9	6.0				
Smithdale fine sandy loam: 1/ (S82LA-103-20)	0-4	A	5.1	1.78	5	0.3	0.5	0.2	0.2	1.8	0.5	8.2	9.6	12.5	51.4	2.1				
	4-10	E	5.3	0.63	5	0.3	0.6	0.1	0.3	2.4	0.4	6.2	7.5	17.3	58.5	4.0				
	10-31	Bt1	5.5	0.06	5	0.2	0.6	<0.1	0.2	2.2	0.5	7.2	8.2	12.2	59.5	2.4				
	31-45	Bt2	5.5	0.10	5	0.7	0.3	0.1	0.2	2.7	0.6	6.7	8.0	16.3	58.7	2.5				
	45-62	Bt3	5.4	<0.01	5	0.2	0.3	<0.1	0.3	1.9	0.3	4.3	5.1	15.7	63.3	5.9				
Stough fine sandy loam: 1/ (S82LA-103-17)	0-5	A	4.8	2.84	5	0.3	0.1	<0.1	0.2	3.1	1.1	12.0	12.6	4.8	64.6	1.6				
	5-12	B/E	5.0	0.28	5	0.2	<0.1	<0.1	0.1	1.7	0.4	2.4	2.7	11.1	70.8	3.7				
	12-24	Bt1	5.1	0.10	5	0.2	0.1	<0.1	0.2	1.9	0.4	3.4	3.9	12.8	67.9	5.1				
	24-37	Bt2	5.2	0.06	5	0.2	0.1	<0.1	0.2	2.0	0.5	3.4	3.9	12.8	66.7	5.1				
	37-60	Bt3	5.3	0.02	5	0.3	0.6	<0.1	0.2	4.9	0.7	6.3	7.4	14.9	63.6	2.7				

1/ This pedon is the same as the typical pedon for the series. For the description and location of the soil, see the section "Soil Series and Their Morphology."

2/ Pedon location: 2.5 miles west of Madisonville, 0.3 mile north of Lake Pontchartrain, 0.5 mile east of Milton's Island, NW1/4SE1/4 sec. 33, T. 8 S., R. 11 E.